

METHOD AND APPARATUS FOR ORGANIZING AND SCHEDULING MULTIMEDIA DATA TRANSFERS OVER A WIRELESS CHANNEL

Abstract of the Disclosure

5 A radio frequency communications system (100) includes wireless terminals (102) and base sites (104). The wireless terminals communicate with the base sites over a radio frequency channel (106). The base sites are interconnected to each other and other network elements via a packet network. The communication system has a radio frequency channel (400) with
10 time slots (406, 408) for transmission of both delay-sensitive data, such as streaming audio and video, and non-delay-sensitive data. A method and apparatus are provided for determining whether a time slot in the radio frequency channel is to be allocated to delay-sensitive data or non-delay-sensitive data (704, 706, 708). Each packet of data transmitted over the
15 wireless channel has a type of service field (900). The type of service field has a precedence or priority value (902) and a service type (904). The priority values are used to determine which packet should be transmitted across the radio frequency channel next and the service type determines the transmission protocol.

20 CM04761H

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